Application/Control No. Applicant(s)/Patent under **Index of Claims** Reexamination 09/884,526 MEEKER ET AL. Examiner Art Unit Shin-Lin Chen 1632

| 1 | Rejected |
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| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| A | Appeal   |
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|          |          |                 |          |          |              |          | J  |                |              |          |               |           |          |                  |         |  | J            | ш               |          |         |              |       | . !        |               |          |   |              |
|----------|----------|-----------------|----------|----------|--------------|----------|--|----------------|--------------|----------|---------------|-----------|----------|------------------|---------|--|--------------|-----------------|----------|---------|--------------|-------|------------|---------------|----------|---|--------------|
| Cla      | aim      |                 |          |          |              | Dat      | е  |                |              |          |               | Cla       | im       |                  | -       |  | Dat          | е               |          |         | ] [          | Cla   | aim        |               |          |   | D۵           |
| Final    | Original | 10/2/06         |          |          |              |          |  |                |              |          | .             | Final     | Original |                  |         |  |              |                 |          |         |              | Final | Original   |               |          |   |              |
|          | 1        | V               |          |          |              |          |  |                |              |          |               | $\exists$ | 51       |                  |         |  |              |                 |          |         | 1            |       | 101        | $\top$        |          | I   | t            |
| <u> </u> | 2        |                 | _        | -        | -            | ⊢        | ├  | -              | ╀            |          | -             | $\dashv$  | 52<br>53 |                  | +-      | +-                                     | ╄            |                 | _        | -       | ┨╏           |       | 102<br>103 | $\dashv$      | +        | ╀   | $\downarrow$ |
|          | 1        | $\vdash$        | _        | -        | ┢╌           | <u> </u> | ┢  | ┢              | 1            | ļ        | <del> -</del> | $\dashv$  | 54       | +                | +-      | ╁                                      | ╁            | $\vdash$        | $\dashv$ | ╁       | ┪┟           |       | 103        | +             | -}-      | ╁   | +            |
|          | 5        | П               | _        | $\vdash$ | ┢            |          | $\vdash$   | $\vdash$       | T            | Т        |               | _         | 55       | +                |         | +-                                     | +-           | H               | $\dashv$ | +       | 1            |       | 105        | _             | +        | 十   | t            |
|          | 6        | V               |          |          |              |          |  |                |              |          |               |           | 56       |                  |         |  |              |                 |          |         | ] [          |       | 106        |               |          |   | İ            |
|          | 7        |                 |          | _        | L            | <u> </u> |  | _              | ļ            |          | <u> </u>      | _         | 57       | $\perp$          | $\perp$ |  | 1            |                 | _        | _       |              |       | 107        | _             |          | 1   | ļ            |
|          | 8        | -               |          | _        |              | ├        | ┢  | -              | ╀            |          | -             | -         | 58<br>59 | +                | -       | -                                      | -            | $\vdash$        |          | +       | ┨            |       | 108<br>109 | _             |          | 1   | +            |
|          | 10       | -               |          |          | ┢            | ├─       | <del>                                     </del> | ┝              | ╁╌           | $\vdash$ | -             | $\dashv$  | 60       | +                | +       | ╁                                      | +            | $\vdash$        | -        | +       | ┨┞           |       | 110        |               | ┿        | +   | +            |
|          | 1/1      |                 | _        | _        | _            |          | t  | T              | $\vdash$     |          | •             |           | 61       | 十                | +       | ╈                                      | $\vdash$     | Н               |          | +       | 1            |       | 111        | _             | +        | +-  | t            |
|          | 12       |                 |          |          | ŀ            |          |  |                |              |          |               |           | 62       |                  |         |  |              |                 |          |         | 1 [          |       | 112        |               |          | 1   | t            |
|          | 13       |                 |          |          |              |          | lacksquare                                       |                |              |          |               | $\Box$    | 63       |                  |         |  |              |                 |          |         | ] [          |       | 113        |               |          |   | Ι            |
|          | 14       |                 |          | _        |              | ┡        | <u> </u>   | L              | ļ            | <u> </u> | _             | _         | 64       |                  | _ _     | $oxed{igspace}$                        | $\perp$      | Щ               | _        | _       | 1 1          |       | 114        | _             | _        | 4_  | ļ            |
|          | 15<br>16 | -               |          | H        | ├            | ├        | <u> </u>   | ├              | ┼            | -        | -             | $\dashv$  | 65<br>66 |                  | +       | ╂                                      | ╄            | $\vdash$        | +        |         | <b>∤</b> ∤   |       | 115        | _             | +        | $\vdash$  | ╀            |
| •        | 17       | v               | _        | -        | ┢            | ┢        | ┢  | ┢              | ╁            | ├─       | -             | $\dashv$  | 67       | +                | +-      | ┿                                      | $\vdash$     | $\vdash \vdash$ |          | ╁       | ┨            |       | 116<br>117 | +             | ┿        | ╁┈  | ╁            |
|          | 18       | V               |          |          | H            | t        | <del> </del>                                     | ┢              | $\vdash$     | _        |               | $\dashv$  | 68       | _                | +       | 1                                      | T            | Н               | +        | +       | 1            |       | 118        | _             | ╁        | +   | t            |
|          | 19       | V               |          |          |              |          |  |                |              |          |               | T         | 69       |                  |         | 1                                      | 1            | П               | 十        | _       | 1            |       | 119        | $\top$        | +        | $\top$  | t            |
|          | 20       |                 |          |          |              |          |  |                |              |          |               |           | 70       |                  |         |  |              |                 | $\Box$   |         | ] [          |       | 120        |               |          |   | Ī            |
| <u></u>  | 21       |                 |          |          | $oxed{oxed}$ | <u> </u> | <u> </u>   |                | <u> </u>     |          | ·  _          | _         | 71       | _                | _       | <u> </u>                               | <u> </u>     |                 |          | $\bot$  |              |       | 121        |               |          | L   | I            |
| <u></u>  | 22<br>23 |                 |          |          | ⊢            | ├        | _  |                | <u> </u>     | L        | -             |           | 72<br>73 |                  | +       | ļ.,                                    | ļ            |                 | _        | $\perp$ | 4            |       | 122        |               | $\bot$   | igspace   | ļ            |
| -        | 24       | $\vdash$        | _        |          | -            | ┝        | ┝  | <b>-</b>       |              | H        | l ⊢           | $\dashv$  | 74       | <del>-</del> - - | +       | ╀                                      | <del> </del> |                 |          |         | ┨╶├          |       | 123<br>124 |               | +        | ╁   | ╀            |
|          | 25       | Н               |          |          |              |          | ╁╾   | <del>  -</del> | <del> </del> |          | ╎├            | -+        | 75       | +                | +       | ╁                                      | $\vdash$     |                 | +        | +       | ┨┠           | -     | 125        |               | +        | +   | ╁            |
| -        | 26       | Н               |          |          |              |          |  | r              | -            |          | -             | +         | 76       | +                | +       | $\vdash$                               | t            | H               | +        | +-      | 1            |       | 126        | +             | ╁        | +   | t            |
|          | 27       |                 |          |          |              |          |  |                |              |          |               | Ť         | 77       |                  |         | T                                      | $\top$       |                 | 十        |         | 1            |       | 127        | _             | 1        | T   | t            |
|          | 28       | П               |          |          |              |          |  |                |              |          |               |           | 78       |                  |         |  | $\Box$       |                 |          |         | ] [          |       | 128        |               |          |   | I            |
|          | 29       |                 |          |          | <u> </u>     | <u> </u> |  | L              | 1            |          |               |           | 79       | $\perp$          |         | L                                      | L            |                 |          |         | ] [          |       | 129        |               |          |   | I            |
| <u> </u> | 30       |                 |          |          | <u> </u>     | <u> </u> | <u> </u>   | -              | <u> </u>     |          | _             | _         | 80       | _                | $\perp$ | <u> </u>                               | _            |                 | $\perp$  | 1       | <b>↓</b>     |       | 130        | $\perp$       | <u> </u> | ↓_  | Ļ            |
| -        | 31<br>32 | Н               |          |          | -            | -        | -  | -              | ┢            |          | _             | $\dashv$  | 81<br>82 | -                | +       | ╀                                      | -            | $\vdash$        | -        | +-      | <del> </del> | -     | 131<br>132 |               | +        | ₩   | ╀            |
| -        | 33       | Н               |          | -        | $\vdash$     | -        | -  | ┝              | ╁            |          | <del> -</del> | -         | 83       | -                | +       | ╁                                      | ╁            | $\vdash$        | $\dashv$ | +-      | ┨┋           |       | 133        |               | ╁        | +   | ╁            |
|          | 34       |                 |          |          |              |          | i –  | _              |              |          | -             | $\dashv$  | 84       | _                | +       | $\vdash$                               | <del> </del> | $\vdash$        | _        | +-      | 1            |       | 134        |               | ╁        | +-  | t            |
|          | 35       | ı.              |          |          |              |          |  |                |              |          |               |           | 85       |                  |         |  | 1.           |                 | T        |         | 1            |       | 135        | $\neg$        | 1        |   | t            |
|          | 36       |                 |          |          |              |          |  |                |              |          |               |           | 86       |                  |         |  |              |                 |          |         | ] [          |       | 136        |               |          |   | I            |
| <u> </u> | 37       | Ш               |          |          | <u> </u>     |          | ļ  | L              | <u> </u>     |          | <u> </u>      | _         | 87       | _ .              | _       | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | _            | $\Box$          |          |         | ļ            |       | 137        |               | _        | $oldsymbol{ol}oldsymbol{oldsymbol{oldsymbol{ol{ol}}}}}}}}}}}}}}}}}$ | Ļ            |
|          | 38<br>39 | $\vdash$        |          | _        | $\vdash$     |          | -  | ⊢              | -            |          |               |           | 88       |                  | +       | ╀                                      | $\vdash$     | $\vdash \vdash$ | +        | +       | {            |       | 138        | -             | $\bot$   | $\vdash$  | Ł            |
| <u> </u> | 40       | $\vdash$        | _        |          | $\vdash$     | $\vdash$ | -  | -              | $\vdash$     | $\vdash$ | -             |           | 89<br>90 | $\dashv$         | +       | Ͱ                                      | $\vdash$     | $\vdash$        | +        | +       | {            |       | 139<br>140 | +             | +        | +-  | +            |
|          | 41       | Н               | $\neg$   |          | $\vdash$     | -        | <u> </u>   | $\vdash$       | 1-           |          |               |           | 91       | -                | +-      | +                                      | +            | $\vdash$        | +        | +       | 1 -          |       | 141        | $-\vdash$     | +        | +   | t            |
|          | 42       |                 |          |          | $\vdash$     | $\vdash$ | <u> </u>   |                | T            |          |               |           | 92       | 十                | $\top$  | T                                      |              | $\Box$          | +        | $\top$  | 1            |       | 142        | $\neg \vdash$ | +        | $\top$  | t            |
|          | 43       |                 |          |          |              |          |  |                |              |          |               |           | 93       |                  | $\perp$ |  |              |                 |          |         | ] [          |       | 143        | 工             | $\perp$  | I   | Ī            |
|          | 44       | Ш               |          |          |              |          | Ĺ  |                | $\Box$       | Щ        |               |           | 94       | Ţ.               |         |  | $\Box$       |                 | $\perp$  |         | ] [          |       | 144        |               | I        |   | ſ            |
| <u> </u> | 45       | $\vdash \dashv$ | 4        |          |              |          | <u> </u>   | <u> </u>       | <u> </u>     | Щ        | $\vdash$      |           | 95       | -                |         | ┡                                      | $\vdash$     | $\sqcup$        | _        | _       | -            | _     | 145        | _ _           | -        | <del> </del>  | L            |
| <u> </u> | 46<br>47 | $\vdash$        | $\dashv$ | _        |              | H        | -  | $\vdash$       | $\vdash$     |          | ·             |           | 96<br>97 | +                | +       | ├-                                     |              |                 | $\dashv$ | -       | ┧┟           |       | 146<br>147 |               | +        | ₩   | $\vdash$     |
|          | 48       | $\vdash \vdash$ | $\dashv$ | _        |              | H        | $\vdash$   | -              | -            |          | -             |           | 98       | +                | +       | $\vdash$                               | -            | $\dashv$        | +        | +       | ┧┟           |       | 148        |               | +        | $\vdash$  | +            |
|          | 49       | H               |          | _        |              |          | H  | $\vdash$       | $\vdash$     |          | <br>          |           | 99       | +                | +       | $\vdash$                               | Н            | -               | +        | ╁       |              | -     | 149        | $\dashv$      | +-       | $\vdash$  | H            |
|          | 50       |                 |          |          |              |          |  |                |              |          |               |           | 100      |                  |         | Г                                      |              |                 |          | 1       |              |       | 150        |               |          | $\Box$  | T            |
|          |          |                 |          |          |              |          |  | _              |              | _        | _             |           |          |                  | _       |  | _            |                 |          |         |              |       |            |               |          |   | _            |

| Cl       | aim  | Г         |              |              | ī  | Date         | е            |  |                |                 |
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| Final    | Ę  |           |              |              |  |              |              | 1  |                | 1 1             |
|          |  |           |              |              |  |              | ŀ            |  |                | 1               |
|          | 101  |           |              |              |  |              |              |  | П              |                 |
|          | 102  |           |              |              |  |              |              |  |                |                 |
|          | 101<br>102<br>103                                    |           |              |              |  |              | ·            |  |                |                 |
|          | 104<br>105<br>106                                    |           |              |              |  |              |              |  |                |                 |
|          | 105  |           | L.           |              |  |              |              |  |                |                 |
|          | 106  |           |              | L            |  | L            |              | $oxed{oxed}$                                     | L              | Ш               |
|          | 107  |           | <u>L</u>     | L            |  |              |              |  | _              | Ш               |
|          | 108  | ldash     | <u>L</u> .   |              |  | _            |              | _  | _              | Ш               |
|          | 109<br>110<br>111                                    | ļ         | <u> </u>     |              |  | _            |              | <u> </u>   | _              |                 |
|          | 110  |           | _            | <u> </u>     |  |              |              | _  |                |                 |
|          | 111  | <u> </u>  |              | <u> </u>     |  | <u> </u>     |              | _  | _              | Ш               |
|          | 112  | $\vdash$  | <u> </u>     | <u> </u>     | <b> </b>   | <del> </del> | <u> </u>     | <u> </u>   | <u> </u>       | Ы               |
| <u> </u> | 113  | $\vdash$  | $\vdash$     | <del> </del> | <b>├</b>   |              |              | <u> </u>   | $\vdash$       | $\square$       |
|          | 114  | <u> </u>  | <u> </u>     | <del> </del> | <u> </u>   | ₩            | ·            | ├  |                | $\vdash \vdash$ |
| <u> </u> | 115  | <u> </u>  | $\vdash$     | -            | -  | -            | -            | <u> </u>   | <del> </del> — | $\vdash \vdash$ |
| <u> </u> | 112<br>113<br>114<br>115<br>116<br>117<br>118<br>119 | $\vdash$  |              | $\vdash$     | <del> </del>                                     | -            | ├            | $\vdash$   | <del>  -</del> | $\vdash \vdash$ |
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|          | 110  |           | -            | ├-           |  |              | -            | -  | <del> </del>   | Н               |
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|          | 122  |           | -            | ┝            | ┝  | $\vdash$     | <del> </del> | -  | <del> </del>   | $\vdash$        |
|          | 120<br>121<br>122<br>123<br>124<br>125               | $\vdash$  |              | ┢            | <del>                                     </del> | $\vdash$     | -            | -  | ┝              | $\vdash$        |
|          | 125  | -         |              | H            | $\vdash$   | -            |              | <del>                                     </del> |                |                 |
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|          | 129  |           |              |              |  |              |              | -  |                | М               |
|          | 126<br>127<br>128<br>129<br>130                      |           |              |              | _  | $\vdash$     |              |  |                | П               |
|          | 131<br>132   |           |              |              | _  |              |              |  |                |                 |
|          | 132  |           |              | $\vdash$     |  |              |              |  |                | М               |
|          | 133  |           |              |              |  |              |              |  |                |                 |
|          | 134  |           |              |              |  |              |              | -  | П              | П               |
|          | 135  |           |              |              |  |              |              |  |                |                 |
|          | 136  |           |              |              |  |              |              |  |                |                 |
|          | 137<br>138   |           |              |              |  |              |              |  |                |                 |
|          | 138  |           |              |              |  |              |              |  |                |                 |
|          | 139  |           |              |              |  |              |              |  |                |                 |
|          | 140  |           |              |              |  | L            |              |  |                |                 |
|          | 141  |           | $oxed{oxed}$ | <u> </u>     |  | $oxed{oxed}$ | L_           |  | $\Box$         | Ш               |
|          | 142  |           |              | <u> </u>     |  | Ш            | Ш            | L  | Щ              | Ш               |
|          | 143  |           |              | Щ            |  |              | <u> </u>     | Щ  | <u> </u>       | Ш               |
|          | 144  |           |              | Щ            |  |              |              |  | Щ.             | Ш               |
|          | 145  | $\square$ |              | Щ.           |  | <u> </u>     |              |  | Ш              | Щ               |
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|          | 147  |           | _            |              |  | Щ            |              | Щ  | Щ              | Щ               |
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|          |  |           |              |              |  |              |              |  |                |                 |